

PN - JP1240540 A 19890926
PD - 1989-09-26
PR - JP19880063505 19880318
OPD - 1988-03-18
TI - STRAIGHT CHAIN LOW-DENSITY POLYETHYLENE RESIN
- COLORED GRANULE AND PRELIMINARILY EXPANDED COLORED
GRANULE
IN - KUWABARA HIDEKI; HASHIBA MASAHIRO; NAITO MASATO;
TSURUKAI KAZUO
PA - JSP CORP
IC - C08J9/22

TI - Linear low density polyethylene resin coloured particles for foaming
- comprises LLDPE resin with colouring agents and thermoplastic
resin having lower m. pt. than LLDPE
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- JP7068401B B2 19950726 DW199534 C08J9/22 005pp
PA - (JASY) JSP CORP
IC - C08J9/22
AB - J01240540 LLDPE resin coloured particles for foaming comprises
(A) LLDPE resin with (B) colouring agents and (C) thermoplastic
resin having m.pt. lower than that of the LLDPE resin contained.
LLDPE resin prefoamed, coloured particles are obtd. by
impregnating the LLDPE resin coloured particles with a volatile
blowing agent at high temp. under high pressure and discharging
the impregnated particles into a low pressure to expand. The m.pt.
of (C) is pref. 10-50 deg C lower than that of (A).
- Pref. (B) are organic pigments and carbon black. (C) is pref. LDPE
and/or ethylene-vinyl acetate copolymer. (A) is e.g. a copolymer of
ethylene and propylene or butene-1. The content of the propylene
or butene-1 is e.g. 0.5 to 5 mol%. The amt. of (B) and that of (C)
are e.g. 1 to 5 pts. wt. and 1 to 10 pts. wt., respectively, w.r.t. 100
pts. wt. of (A).
- USE/ADVANTAGE - Mouldings obtd. from the prefoamed, coloured
particles are used for packaging materials, cushioning materials,
and heat insulating materials. Coloured, expanded materials
exhibiting little contraction and being free of colour non-uniformity
are provided without ageing prefoamed, coloured particles.(0/0)

none

none

none

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IN - KUWABARA HIDEKI; others:03

PA - JSP CORP

TI - STRAIGHT CHAIN LOW-DENSITY POLYETHYLENE RESIN
COLORED GRANULE AND PRELIMINARILY EXPANDED COLORED
GRANULEAB - PURPOSE: To obtain the present granules capable of giving foams
of uniform air bubble size with uniform coloring and high coloring
concentration, without the need for pressurized aging when
expanded, by incorporating a straight chain low-density
polyethylene resin with a thermoplastic resin of melting point lower
than that of said polyethylene resin and a coloring agent.- CONSTITUTION: A blend comprising (A) a straight chain low-density
polyethylene resin, (B) a coloring agent (e.g., carbon black), and
(C) a thermoplastic resin with its melting point lower than that of the
component A by 10-50 deg.C (e.g., ethylene-vinyl acetate
copolymer) is put to melt blending at 250 deg.C using an extruder
to carry out extrusion followed by granulation in a pelletizer, thus
obtaining the objective colored granules. These granules are left to
stand at normal temperature and pressure and packed in a mold
followed by molding on heating with a pressurized water vapor, thus
obtaining a colored foam.

- C08J9/22

none

none

none